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(54) Title: PLANT HAEMOGLOBIN

(57) Abstract: The invention relates generally to a method for improving growth of plants, under normal and under stress condi-  
tions, more particularly under osmotic stress and/or temperature extremes, comprising modifying plant haemoglobin gene expression  
and/or by modifying plant haemoglobin protein levels in a plant. The invention furthermore relates to a method for increasing yield  
of a plant, comprising modifying plant gene expression and/or by modifying plant haemoglobin levels in a plant. The invention also  
relates to a nucleic acid encoding a haemoglobin conferring this altered growth and stress tolerance.

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